



**COPPER-FIN II® BOILER PRODUCT SUMMARY**  
**(CH) 400,000 - 2,070,000 BTU/Hr**

	CH-0401	CH-0501	CH-0651	CH-0751	CH-0991	CH-1261	CH-1441	CH-1801	CH-2071
<b>WATER</b>									
GALLON CAPACITY	1.5	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ. FT.)	46.9	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW RATE (GPM)	55	55	55	55	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.4	6.5	6.7	6.8	5.8	6.6	7.2	8.4	9.2
MIN. WATER FLOW RATE (GPM) *	17	21	28	32	29	37	41	51	58
HEAD LOSS (FT. OF HD.) *	0.6	0.7	1.6	2.3	1.1	1.3	2.0	2.6	4.8
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1	2	2	2
RELIEF VALVE SIZE	1"	1"	1"	1"	1"	1"	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50	50
<b>GAS</b>									
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"
MAX. INLET PRESSURE, NAT	10.5" w.c.								
MIN. INLET PRESSURE, NAT	4.0" w.c.								
MANIFOLD PRESSURE, NAT	1.8" w.c.	1.8" w.c.	1.8" w.c.	1.8" w.c.	1.2" w.c.				
MAX. INLET PRESSURE, LP	13.0" w.c.								
MIN. INLET PRESSURE, LP	8.0" w.c.								
MANIFOLD PRESSURE, LP	4.6" w.c.								
BTU/Hr INPUT	399,999	500,000	650,000	750,000	990,000	1,260,000	1,440,000	1,800,000	2,070,000
BTU/Hr OUTPUT	339,999	425,000	552,500	637,500	841,500	1,071,000	1,224,000	1,530,000	1,759,500
<b>ELECTRICAL</b>									
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24	24
TOTAL AMPS	6.3	6.3	8.8	8.8	10.5	10.5	14.0	14.0	14.0
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1
<b>DIMENSIONS</b>									
HEIGHT	31-1/2"	31-1/2"	31-1/2"	31-1/2"	36"	36"	36"	36"	36"
WIDTH	37-3/4"	45-1/2"	56-3/4"	64"	48-1/4"	58-1/2"	68-1/4"	82-1/4"	92-1/2"
DEPTH	22-1/4"	22-1/4"	22-1/4"	22-1/4"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
<b>SERVICE CLEARANCES</b>									
FRONT	24"	24"	24"	24"	30"	30"	30"	30"	30"
BACK	1"	1"	1"	1"	3"	3"	3"	3"	3"
RIGHT SIDE	1"	1"	1"	1"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	1"	1"	1"	1"	3"	3"	3"	3"	3"
<b>VENTING</b>									
SIZE	6"	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	I	I	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT								
MAXIMUM DRAFT	-0.08" w.c.								
MINIMUM DRAFT	-0.02" w.c.								

\* Minimum flow rate and head loss are based on a 40°F temperature rise for CH401-751 models and based on a 60°F temperature rise for CH0991-2071 models

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CH-PS-07 (Replaces CH-PS-06 01/09)

01/09-Printed in U.S.A.